International application No. PCT/EP2004/012464

INTERNATIONAL SEARCH REPORT

Box (i	Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)	_
This Inte	ernational Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:	
1. χ	Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely: Article 52 (2)(d) EPC - Presentation of information	
2.	The claims were only searched with regards to the underlying method of generating a reference data base for distinguishing leukemia subtypes. Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful international Search can be carried out, specifically:	
э. [Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).	
Boy III	Obcorrections where units of invertion to location (Oction 1)	
	Observations where unity of invention is lacking (Continuation of item 3 of first sheet)	_
i his inte	mational Searching Authority found multiple inventions in this international application, as follows:	
	see additional sheet	
1.	As all required additional search fees were timely paid by the applicant, this international Search Report covers all searchable claims.	
2.	As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.	
3.	As only some of the required additional search fees were timely paid by the applicant, this international Search Report covers only those claims for which fees were paid, specifically claims Nos.:	
4. X	No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the Invention first mentioned in the claims; it is covered by claims Nos.: 1-27 (partially)	
Remark (on Protest The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.	

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-27 (partially)

A method for distinguishing MLL-PTD-positive AML from other AML subtypes, the method comprising determining the expression level of the marker AAK1. Use of said marker for the manufacture of a diagnostic. A diagnostic kit containing said marker and an apparatus comprising a reference data bank, wherein the reference data bank is obtainable by determining the expression level of AAK1.

2. claims: 1-27 (all partially)

Inventions 2-1100 Methods for distinguishing MLL-PTD-positive AML from other AML subtypes and methods for distinguishing specific subtypes against all other subtypes and against each other, the method comprising determining individually the expression level of the markers listed in table 1.1, positions 2-50, and in tables 2-3. Use of said markers for the manufacture of diagnostics. Diagnostic kits containing said markers and apparatus comprising a reference data bank, wherein the reference data bank is obtainable by determining the expression levels of said markers.

IN RNATIONAL SEARCH REPORT

information on patent family members

International Application No
PCT/EP2004/012464

Patent document cited in search report		Publication . date		Patent family member(s)		Publication date
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IN PRINATIONAL SEARCH REPORT

International Application No

PCT/EP2004/012464 A. CLASSIFICATION OF SUBJECT MATTER IPC 7 G01N33/574 C12Q1/68 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 G01N C12Q Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the International search (name of data base and, where practical, search terms used) EPO-Internal, BIOSIS, WPI Data, EMBASE C. DOCUMENTS CONSIDERED TO BE RELEVANT Category ° Citation of document, with Indication, where appropriate, of the relevant passages Relevant to claim No. γ DATABASE BIOSIS [Online]
BIOSCIENCES INFORMATION SERVICE, 1-27 PHILADELPHIA, PA, US; 16 November 2002 (2002-11-16), SCHNITTGER SUSANNE ET AL: "Acute Myeloid Leukemia (AML) with Partial Tandem Duplication of the MLL-Gene (MLL-PTD) Can Be Discriminated from MLL-Translocations Based on Specific Gene Expression Profiles." XP002270207 Database accession no. PREV200300335802 abstract -/--X Further documents are listed in the continuation of box C. Patent family members are listed in annex. Special categories of cited documents : T later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "A" document defining the general state of the art which is not considered to be of particular relevance earlier document but published on or after the international filling date "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "L" document which may throw doubts an priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "Y" document is taken alone
"Y" document of particular relevance; the claimed invention
cannot be considered to involve an inventive step when the
document is combined with one or more other such documents, such combination being obvious to a person skilled
in the art. "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed "&" document member of the same patent family Date of the actual completion of the international search Date of mailing of the International search report **0** 9. 06. 2005 3 March 2005 Name and mailing address of the ISA Authorized officer European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswit Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016 Thumb, W

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT Category Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No.				
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